

Patent claims

1. System for structuring, storing and processing of data in accordance with a generic object model (10), where the object model (10) features at least one first element which
5 corresponds to a type Object, (100) with the type Object (100) having the following attributes:
 - a unique identification (2) of the object (100) for absolute referencing of the object (100),
 - a logical name (3) to label the object (100)
 - 10 and
 - at least one link (6) to a second element, which corresponds to a type Feature (20), with the type Feature (20) having the following attributes:
 - a unique name (21) in relation to the relevant linked
15 object (100) referenced and
 - the option of linkage to further components of type Object (100), to further components of type Feature (20) and to data (30, 40, 50).
2. System in accordance with Claim 1,
20 characterized in that,
the type Object (100) has as further attributes an identification of the object type (5) and an identification of the version (4) of the object (100).
3. System in accordance with one of the previous claims,
25 characterized in that,
elements linked through an element of type Feature (20) form a logical subset of all elements of an object (100).
4. System in accordance with one of the previous claims,
characterized in that,
30 the elements of the object (100) are linked by references (60).

5. System in accordance with one of the previous claims, characterized in that, the object model (10) is described by an extensible markup language.

- 5 6. Method for structuring, storing and processing of data in accordance with a generic object model (10), with the object model (10) featuring at least one first element which corresponds to the Type Object (100), with the type Object (100) having the following attributes:
- 10 - a unique identification (2) of the object (100) for absolute referencing of the object (100),
- a logical name (3) to label the object (100)
and
- at least one link (6) to a second element, which corresponds
15 to a type Feature (20), with the type Feature (20) having the following attributes:
- a unique name (21) in relation to the relevant linked object (100) referenced and
- the option of linkage to further components of type
20 Object (100), to further components of type Feature (20) and to data (30, 40, 50).

7. Use of a system or of a method in accordance with one of the previous claims for engineering (220) of an automation system (230).